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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,000	04/24/2001	Eric Pierre de Rouffignac	5659-02400/EBM	4713
7590	10/17/2003		EXAMINER	
DEL CHRISTENSEN SHELL OIL COMPANY P.O. BOX 2463 HOUSTON, TX 77252-2463			SUCHFIELD, GEORGE A	
		ART UNIT	PAPER NUMBER	
			3672	

DATE MAILED: 10/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)							
	09/841,000	ROUFFIGNAC ET AL.							
	Examiner George Suchfield	Art Unit 3672							
-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --									
<p><b>Period for Reply</b></p> <p>A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.</p> <ul style="list-style-type: none"> <li>- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.</li> <li>- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.</li> <li>- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.</li> <li>- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).</li> <li>- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).</li> </ul>									
<p><b>Status</b></p> <p>1)<input checked="" type="checkbox"/> Responsive to communication(s) filed on <u>25 September 2003</u>.</p> <p>2a)<input type="checkbox"/> This action is FINAL.                            2b)<input checked="" type="checkbox"/> This action is non-final.</p> <p>3)<input type="checkbox"/> Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</p>									
<p><b>Disposition of Claims</b></p> <p>4)<input checked="" type="checkbox"/> Claim(s) <u>2193-2200, 2202-2239, 2241-2269, 5396-5405 and 5407-5410</u> is/are pending in the application.</p> <p>4a) Of the above claim(s) _____ is/are withdrawn from consideration.</p> <p>5)<input checked="" type="checkbox"/> Claim(s) <u>5404, 5405 and 5407-5410</u> is/are allowed.</p> <p>6)<input checked="" type="checkbox"/> Claim(s) <u>2193-2200, 2202-2239, 2241-2269, 5396-5403</u> is/are rejected.</p> <p>7)<input type="checkbox"/> Claim(s) _____ is/are objected to.</p> <p>8)<input type="checkbox"/> Claim(s) _____ are subject to restriction and/or election requirement.</p>									
<p><b>Application Papers</b></p> <p>9)<input type="checkbox"/> The specification is objected to by the Examiner.</p> <p>10)<input checked="" type="checkbox"/> The drawing(s) filed on <u>27 March 2003</u> is/are: a)<input checked="" type="checkbox"/> accepted or b)<input type="checkbox"/> objected to by the Examiner.</p> <p style="margin-left: 20px;">Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).</p> <p>11)<input type="checkbox"/> The proposed drawing correction filed on _____ is: a)<input type="checkbox"/> approved b)<input type="checkbox"/> disapproved by the Examiner.</p> <p style="margin-left: 20px;">If approved, corrected drawings are required in reply to this Office action.</p> <p>12)<input type="checkbox"/> The oath or declaration is objected to by the Examiner.</p>									
<p><b>Priority under 35 U.S.C. §§ 119 and 120</b></p> <p>13)<input type="checkbox"/> Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</p> <p>a)<input type="checkbox"/> All b)<input type="checkbox"/> Some * c)<input type="checkbox"/> None of:</p> <p style="margin-left: 20px;">1.<input type="checkbox"/> Certified copies of the priority documents have been received.</p> <p style="margin-left: 20px;">2.<input type="checkbox"/> Certified copies of the priority documents have been received in Application No. _____.</p> <p style="margin-left: 20px;">3.<input type="checkbox"/> Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</p> <p>* See the attached detailed Office action for a list of the certified copies not received.</p> <p>14)<input checked="" type="checkbox"/> Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).</p> <p>a)<input type="checkbox"/> The translation of the foreign language provisional application has been received.</p> <p>15)<input type="checkbox"/> Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.</p>									
<p><b>Attachment(s)</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">1)<input type="checkbox"/> Notice of References Cited (PTO-892)</td> <td style="width: 50%;">4)<input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____</td> </tr> <tr> <td>2)<input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</td> <td>5)<input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</td> </tr> <tr> <td>3)<input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s). <u>21-25-27</u></td> <td>6)<input type="checkbox"/> Other: _____</td> </tr> </table>				1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____	2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)	3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s). <u>21-25-27</u>	6) <input type="checkbox"/> Other: _____
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1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 2202 and 2241 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 2193 and 2232 require the heating rate to be "less than about 1oC per day", while claims 2202 and 2241, which depend from these claims, calls for a heating rate of "about 10oC/day". Accordingly, claims 2202 and 2241 are both indefinite and comprise improper dependent claims in calling for a heating rate outside the range of their parent claim. In this regard, a dependent claim must include all the features of the parent claim, and then specify an additional limitation.

3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

4. Claims 2232-2239, 2242-2269, 5397 and 5401-5403 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1785-1821 of copending Application No. 10/128,702. Although the conflicting claims

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are not identical, they are not patentably distinct from each other because the hydrocarbon containing formation treated by the method of, e.g., claim 2232 of this pending application is deemed broad enough to encompass the relatively low permeability formation containing heavy hydrocarbons of claims 1785 and 1793 of the copending application, which claim 1793 of the '702 application includes the additional limitation in herein pending claim 2232 of providing an average heating rate of less than about 1oC in a pyrolysis temperature range. It is further noted that the additional pyrolysis temperature range of about 270oC to about 400oC recited in the '702 claim 1793 is also recited in pending claim 2234. Otherwise, the remaining claims of both this and the copending application appear to correspond.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

5. Claims 2193-2200, 2202-2231, 5396 and 5398-5400 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 2205-2244 of copending Application No. 10/128,699. Although the conflicting claims are not identical, they are not patentably distinct from each other because the hydrocarbon containing formation treated by the method of claim 2193 of this pending application is deemed broad enough to encompass the oil shale formation of claims 2205 and 2213 of the copending application, which claim 2213 of the '702 application includes the additional limitation in herein pending claim 2193 of providing an average heating rate of less than about 1oC in a pyrolysis temperature range. It is further noted that the additional pyrolysis temperature range of about 270oC to about 400oC recited in the '702 claim 2213 is also recited in pending claim 2195. Otherwise, the remaining claims of both this and the copending application appear to correspond.

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This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

6. Claims 5404, 5405 and 5407-5410 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Suchfield whose telephone number is 703-308-2152. The examiner can normally be reached on M-F (6:30 - 3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 703-308-2151. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.

*George Suchfield*  
George Suchfield  
Primary Examiner  
Art Unit 3672

Gs  
October 15, 2003